

**From:** [Denton, Debra](#)  
**To:** [Bryn Phillips](#)  
**Subject:** RE: slides  
**Date:** Monday, May 11, 2015 4:07:06 PM  
**Attachments:** [dd-Tox Course Presentation, Day Two 4-22-15 Edits BP.pptx](#)

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Hi Bryn

stay well!!

here is the ppt. I made a few edits to the permitting slides too.

thanks!

PEACE = Purposefully Express Appreciation and Compassion for Everyone  
Debra

Disclaimer: This message was written with voice activated software. It may contain errors. Some of them might be interesting. Observe the context and the meaning will, hopefully, be obvious.

-----  
Debra L. Denton, PhD  
Environmental Scientist  
US EPA Region 9  
Water Quality Assessment Section (WTR-2-1)  
c/o SWRCB  
1001 I Street  
Sacramento, CA 95814  
phone (916) 341-5520

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From: Bryn Phillips [bmphillips@ucdavis.edu]  
Sent: Monday, May 11, 2015 2:08 PM  
To: Denton, Debra  
Subject: Re: slides

Debra,

I added three examples that we can hand-enter with the calculator. I also added three slides that cover ambient data sets. I don't really know what data format folks are looking at when they are attempting to list water bodies, so I gave an example of a SWAMP output. I can also add a CEDEN output, but I don't think it will be much different.

Please look at the final slides of this Day 2 presentation and give me some comments before we make it final.

Thanks,

Bryn

Bryn Phillips  
Department of Environmental Toxicology  
University of California, Davis  
Marine Pollution Studies Lab - Granite Canyon

34500 Highway One  
Monterey, CA 93940  
831-624-0947  
831-626-1518 Fax

On 5/11/2015 8:28 AM, Denton, Debra wrote:

> Hi Bryn  
>  
> I really believe that we need the time as we have run short on the data exercise with hands on of the TST. We  
should do examples that cover :  
>  
> - chronic FW  
> - acute that covers zero variance  
> - chronic marine west coast like red abalone and giant kelp (especially since Regional board 9 has Ocean Plan  
applications)  
>  
>  
> Here is the format and we can add to this for the marine test examples. If you need data sets - I can provide. It  
would be nice to have them have the information that shows what we enter into the TST tool.  
>  
> Sure, we can show some ambient data sets too.  
>  
>  
> PEACE = Purposefully Express Appreciation and Compassion for Everyone  
> Debra  
>  
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be interesting. Observe the context and the meaning will, hopefully, be obvious.  
> -----  
> Debra L. Denton, PhD  
> Environmental Scientist  
> US EPA Region 9  
> Water Quality Assessment Section (WTR-2-1)  
> c/o SWRCB  
> 1001 I Street  
> Sacramento, CA 95814  
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>  
>  
> \_\_\_\_\_  
> From: Bryn Phillips [bmphillips@ucdavis.edu]  
> Sent: Friday, May 8, 2015 2:40 PM  
> To: Denton, Debra  
> Subject: Re: slides  
>  
> Hi Debra,  
>  
> I am working on the Day 2 Presentation for the work shop and wanted to  
> include some ambient data. I thought I could include how SWAMP data are  
> interpreted using the two-tier approach, and talk about the four data  
> qualifiers. This is what the regions are using for listings, so it  
> could be helpful. I could also talk about how SWAMP and CEDEN have  
> field that incorporate the TST.  
>  
> What do you think?  
>  
> Bryn Phillips

> Department of Environmental Toxicology  
> University of California, Davis  
> Marine Pollution Studies Lab - Granite Canyon  
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> 831-626-1518 Fax  
>  
> On 5/7/2015 2:26 PM, Denton, Debra wrote:  
>> all good. thanks!  
>>  
>> or you could use the illustration for chronic sediment test for survival, bc the RMD is 25% effect  
>>  
>>  
>> PEACE = Purposefully Express Appreciation and Compassion for Everyone  
>> Debra  
>>  
>> Disclaimer: This message was written with voice activated software. It may contain errors. Some of them might be interesting. Observe the context and the meaning will, hopefully, be obvious.  
>> -----  
>> Debra L. Denton, PhD  
>> Environmental Scientist  
>> US EPA Region 9  
>> Water Quality Assessment Section (WTR-2-1)  
>> c/o SWRCB  
>> 1001 I Street  
>> Sacramento, CA 95814  
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>>  
>> \_\_\_\_\_  
>> From: Bryn Phillips [bmphillips@ucdavis.edu]  
>> Sent: Thursday, May 7, 2015 12:54 PM  
>> To: Denton, Debra  
>> Subject: Re: slides  
>>  
>> Okay. I will re-do the slide. I have to leave after 2 anyway to pick  
>> up my daughter.  
>>  
>> Thanks!  
>>  
>> Bryn  
>>  
>> Bryn Phillips  
>> Department of Environmental Toxicology  
>> University of California, Davis  
>> Marine Pollution Studies Lab - Granite Canyon  
>>  
>> 34500 Highway One  
>> Monterey, CA 93940  
>> 831-624-0947  
>> 831-626-1518 Fax  
>>  
>> On 5/7/2015 12:09 PM, Denton, Debra wrote:  
>>> change to a value less than 20. unless this example is for chronic sediment.  
>>>  
>>> no need to chat - if you can understand my notes.

>>>  
>>>  
>>>  
>>> PEACE = Purposefully Express Appreciation and Compassion for Everyone  
>>> Debra  
>>>  
>>> Disclaimer: This message was written with voice activated software. It may contain errors. Some of them might be interesting. Observe the context and the meaning will, hopefully, be obvious.  
>>> -----  
>>> Debra L. Denton, PhD  
>>> Environmental Scientist  
>>> US EPA Region 9  
>>> Water Quality Assessment Section (WTR-2-1)  
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>>>  
>>> -----  
>>> From: Denton, Debra  
>>> Sent: Thursday, May 7, 2015 9:35 AM  
>>> To: Bryn Phillips  
>>> Subject: slides  
>>>  
>>> Hi Bryn  
>>>  
>>> looking at these 2 slides.  
>>> If we are discussing acute test method, then we need to change 22% to sometimes less than 20, bc 20 is the effect level that we wish to declare statistically significant. Unless you intended this for chronic sediment survival endpoint, which is the desired effect is 25%. I think that should be the case for this example.  
>>>  
>>> take care!  
>>>  
>>>  
>>>  
>>>  
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>>> Debra  
>>>  
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>